

DOCKET NO. SAMS01-00195
CUSTOMER NO.: 23990

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of : YOUNGKY KIM, ET AL.
United States Serial No. : to be assigned
Filing Date : to be assigned
Prior United States Serial No. : 09/998,343
Prior Filing Date : December 24, 1997
Prior Examiner : B. Pham
Prior Group Art Unit : 2664
Title : ASYMMETRIC CHANNEL ALLOCATION FOR A
MOBILE STATION IN A CDMA
COMMUNICATION NETWORK

BOX PATENT APPLICATION
Commissioner of Patents
Washington, D.C. 20231

Sir:

PRELIMINARY AMENDMENT

Prior to the grant of the patent for United States Serial No. 09/998,343, the Applicant is filing a continuing application under 37 C.F.R. § 1.53(b). Additionally, the Applicant is making the below listed amendments to the continuing application as follows:

IN THE SPECIFICATION

1. Kindly insert the following statement on Page 1 of the SPECIFICATION:

“This patent application is a continuation of prior United States Application Serial No. 08/998,343 filed on December 24, 1997.”

IN THE CLAIMS

Please cancel Claims 1-34 without prejudice.

Please add new Claims 35-54.

35. (New) A mobile station for use in a code division multiple access (CDMA) system having at least one base station operable to communicate with said mobile station, said mobile station comprising circuitry operable to (i) transmit reverse link data to said at least one base station using a forward channel link chip rate and (ii) receive forward link data from said at least one base station using a reverse channel link chip rate, wherein said forward channel link chip rate is asymmetrical to said reverse channel link chip rate.

36. (New) The mobile station for use in a CDMA system as set forth in Claim 35 wherein one of (i) said forward channel link chip rate is less than or equal to a maximum forward value allowed by said at least one base station and (ii) said reverse channel link chip rate is less than or equal to a maximum reverse value allowed by said at least one base station.

37. (New) The mobile station for use in a CDMA system as set forth in Claim 35 wherein one of (i) said forward channel link chip rate is less than or equal to a maximum forward value allowed by said mobile station and (ii) said reverse channel link chip rate is less than or equal to a maximum reverse value allowed by said mobile station.

38. (New) The mobile station for use in a CDMA system as set forth in Claim 35 wherein said mobile station transmits one of (i) a maximum forward value to said at least one base station and (ii) a maximum reverse value to said at least one base station.

39. (New) The mobile station for use in a CDMA system as set forth in Claim 35 wherein said reverse channel link chip rate is faster than said forward channel link chip rate.

40. (New) A method of operating a mobile station for use in a code division multiple access (CDMA) system having at least one base station operable to communicate with said mobile station, said method of operating said mobile station comprising the steps of:

transmitting reverse link data to said at least one base station using a forward channel link chip rate; and

receiving forward link data from said at least one base station using a reverse channel link chip rate, wherein said forward channel link chip rate is asymmetrical to said reverse channel link chip rate.

41. (New) The method of operating said mobile station for use in a CDMA system as set forth in Claim 40 wherein one of (i) said forward channel link chip rate is less than or equal to a maximum forward value allowed by said at least one base station and (ii) said reverse channel link chip rate is less than or equal to a maximum reverse value allowed by said at least one base station.

42. (New) The method of operating said mobile station for use in a CDMA system as set forth in Claim 40 wherein one of (i) said forward channel link chip rate is less than or equal to a maximum forward value allowed by said mobile station and (ii) said reverse channel link chip rate is less than or equal to a maximum reverse value allowed by said mobile station.

43. (New) The method of operating said mobile station for use in a CDMA system as set forth in Claim 40 further comprising the step of transmitting one of (i) a maximum forward value to said at least one base station and (ii) a maximum reverse value to said at least one base station.

44. (New) The method of operating said mobile station for use in a CDMA system as set forth in Claim 40 wherein said reverse channel link chip rate is faster than said forward channel link chip rate.

45. (New) A base station for use in a code division multiple access (CDMA) system having at least one mobile station operable to communicate with said base station, said base station comprising circuitry operable to (i) transmit forward link data to said at least one mobile station using a forward channel link chip rate and (ii) receive reverse link data from said at least one mobile station using a reverse channel link chip rate, wherein said forward channel link chip rate is asymmetrical to said reverse channel link chip rate.

46. (New) The base station for use in a CDMA system as set forth in Claim 45 wherein one of (i) said forward channel link chip rate is less than or equal to a maximum forward value allowed by said base station and (ii) said reverse channel link chip rate is less than or equal to a maximum reverse value allowed by said base station.

47. (New) The base station for use in a CDMA system as set forth in Claim 45 wherein one of (i) said forward channel link chip rate is less than or equal to a maximum forward value allowed by said at least one mobile station and (ii) said reverse channel link chip rate is less than or equal to a maximum reverse value allowed by said at least one mobile station.

48. (New) The base station for use in a CDMA system as set forth in Claim 45 wherein said mobile station transmits one of (i) a maximum forward value to said at least one mobile station and (ii) a maximum reverse value to said at least one mobile station.

49. (New) The base station for use in a CDMA system as set forth in Claim 45 wherein said reverse channel link chip rate is faster than said forward channel link chip rate.

50. (New) A method of operating a base station for use in a code division multiple access (CDMA) system having at least one mobile station operable to communicate with said base station, said method of operating said base station comprising the steps of:

transmitting forward link data to said at least one mobile station using a forward channel link chip rate; and

receiving reverse link data from said at least one mobile station using a reverse channel link chip rate, wherein said forward channel link chip rate is asymmetrical to said reverse channel link chip rate.

51. (New) The method of operating said base station for use in a CDMA system as set forth in Claim 50 wherein one of (i) said forward channel link chip rate is less than or equal to a maximum forward value allowed by said base station and (ii) said reverse channel link chip rate is less than or equal to a maximum reverse value allowed by said base station.


52. (New) The method of operating said base station for use in a CDMA system as set forth in Claim 50 wherein one of (i) said forward channel link chip rate is less than or equal to a maximum forward value allowed by said at least one mobile station and (ii) said reverse channel link chip rate is less than or equal to a maximum reverse value allowed by said at least one mobile station.

53. (New) The method of operating said base station for use in a CDMA system as set forth in Claim 50 further comprising the step of transmitting one of (i) a maximum forward value to said at least one mobile station and (ii) a maximum reverse value to said at least one mobile station.

54. (New) The method of operating said base station for use in a CDMA system as set forth in Claim 50 wherein said reverse channel link chip rate is faster than said forward channel link chip rate.

Respectfully submitted,

Date: Nov. 19, 2001


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